

Ocean Processes & Systems

Dates: July 14-18, 2008

Location: Weber State University

Instructors: Dr. Sharon Ohlhorst and Dr. Rick Ford

Instructor contact information: Sharon Ohlhorst
801-626-6160
csme@weber.edu

Credit: Three semester hours (Geo 5920/Physical Oceanography for Teachers)
USOE or WSU

Registration fee & deposit: \$275; \$40 deposit payable to WSU

Send registration & deposit to: Dr. Sharon Ohlhorst
Center for Science & Math–WSU
2509 University Circle
Ogden, UT 84408-2509

Registration Contact Information: Dr. Sharon Ohlhorst
Center for Science & Math Education
Weber State University
801-626-6160
csme@weber.edu

Course Description: This intensive workshop will survey the basic concepts of physical oceanography – a broad-based discipline, encompassing many sciences (geology, geophysics, hydrology, and meteorology) with the fundamental goal of increasing our understanding of the Earth's oceans. The interdisciplinary nature of oceanography also presents an excellent context in which to explore the broad themes of *Earth System Science*. The course will focus on the major physical processes operating within the marine environment including plate tectonics, currents, waves, tides, sea-level change, and ocean-atmosphere interactions. Emphasis will be placed on the oceanographic content within the core curriculum for Utah's 9th-grade Earth Systems course, especially Standard IV/Objective 2. In addition, teachers will receive a variety of teaching modules and materials from the AMS Maury Project for later use in their own classrooms. A field trip is planned (to one local large lake) to allow participants a chance to practice some of the oceanographic techniques. Due to the nature of possible class assignments, some homework may extend beyond the one week course, so grades may not be available until fall semester.



2008 Science Professional Development Registration Form

(Duplicate as Necessary)

Mail to:

Workshop Contact:

Sessions fill on a first-come basis. Register early to secure your place.

Workshop Title	Date	Location	Registration Fee
			\$ 275.00

Contact Information:

Teacher: _____
District: _____
School: _____
Grade Level/Subject: _____
Home Address: _____

City: _____ Zip: _____
Home phone: _____
School phone: _____
CACTUS # : _____
E-mail: _____

Commitment to Attend & District Approval:

I understand that I am committing to this workshop and I will cancel at least two weeks prior to the workshop if I am unable to attend.

Teacher Signature: _____

Signature of Principal or District Representative indicates source of registration payment for workshop:

☐ **PERSONAL** Check # _____ enclosed **OR**

☐ **SCHOOL** _____ **OR**
Principal

☐ **DISTRICT** _____
District Representative

**Please contact your school or district to determine if approval is needed prior to registration.*

☐ Bill to This Address

Return this completed registration form and your refundable deposit check to the above listed workshop contact.

A separate registration form must be submitted for each workshop you plan to attend.